

FORM PTO-1449 (Modified)  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Attorney Docket No. 000287-004830		Serial No.: 08/709,965	
			Applicant: PHILIP S. GREEN			
			Filing Date: 09/09/96		Group: 2615	
Reference Designation <span style="margin-left: 100px;">U.S. PATENT DOCUMENTS</span>						
Examine r Initial	Document No.	Date	Name	Class	Sub- class	Filing Date (If Appropriate)
<u>AA</u>	3,818,125	06/74	✓ Butterfield	178	6.5	
<u>AB</u>	3,921,445	11/75	✓ Hill et al.	73	133R	
<u>AC</u>	3,923,166	12/02/75	✓ Fletcher et al.	901	2	
<u>AD</u>	3,934,201	01/20/76	✓ Majetski	381	14	
<u>AE</u>	4,349,837	09/14/82	✓ Hinds	358	93	
<u>AF</u>	4,510,574	04/09/85	✓ Guittet et al.	901	2	
<u>AG</u>	4,582,067	04/86	✓ Silberstein	128	663	
<u>AH</u>	4,562,463	12/85	✓ Lipton	358	88	
<u>AI</u>	4,583,117	08/86	✓ Lipton et al.	358	92	
<u>AJ</u>	4,651,201	03/17/87	✓ Schoolman	358	98	
<u>AK</u>	4,750,475	06/88	✓ Yoshihashi	128	6	
<u>AL</u>	4,837,734	06/06/89	✓ Ichikawa et al.	901	2	
<u>AM</u>	4,855,822	08/89	✓ Narendar et al.	358	103	
<u>AN</u>	4,862,873	09/89	✓ Yajima et al.	128	6	
<u>AO</u>	4,899,730	02/13/90	✓ Stennert et al.	128	4	
<u>AP</u>	4,922,338	05/01/90	✓ Arpino	358	93	
<u>AQ</u>	4,941,106	07/90	✓ Krieger	364	513	
<u>AR</u>	4,942,539	07/90	✓ McGee et al.	364	513	
<u>AS</u>	3,463,329	05/67	✓ Gartner	214	1	
<u>AT</u>	2,815,697	12/57	✓ A.E. Saunders-Singer	88	40	
<u>AU</u>	5,045,936	09/03/91	✓ Lobb et al.	358	98	
FOREIGN PATENT DOCUMENTS						
	Document No.	Date	Country	Class	Sub- class	Translation (yes/no)
<u>AV</u>	3806190 ✓	09/88	Germany	Ho4N	13/02	NO
<u>AW</u>	2040134 ✓	08/80	UK	<del>H4F</del>		YES
<u>AX</u>	0 595 291- A1 ✓	10/93	Europe	B25J	9/10	YES
<u>AY</u>	0 239 409 A1 ✓	03/87	Europe	A61F	9/00	YES
<u>AZ</u>	86 00852 ✓	01/86	France	B25J	11/00	NO
<u>BA</u>	2 460 762 ✓	01/79	France	B25J	3/02	NO
<u>BB</u>	28 19 976 ✓	05/78	Germany	F16M	1/00	NO
<u>BC</u>	0 291 292 A2 ✓	05/88	Europe	F16H	21/44	YES
<u>BD</u>	2117732 ✓	10/83	UK	B25J	9/00	YES

BE	2 593 106	07/87 DEC	France	B25J	11/00
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
BF	A.D. Alexander, IIT, "Impacts of Telemation on Modern Society", *, 1st CISM-IFTO MM SYMPOSIUM, Vol. 2, pp. 122-136. (9/1973)				
BG	A.K. Bejczy et al, "Controlling Remote Manipulators Through Kinesthetic Coupling", 1983, Computers in Mechanical Engineering, pp. 48-60.				
BH	Fisher et al., "Virtual Interface Environment", 1986, Proceedings IEEE/AIAA 7th Digital Avionics Systems Conference, pp. 346-350.				
BI	Hald et al., "Telepresence, Time Delay and Adaptation", *, Spatial Displays and Spatial Instruments Proceedings of a Conference sponsored by NASA Ames Research Center and the School of Optometry, Univ. of California, pp. 28-1 through 28-16.				
BJ	Kim et al., "A Helmet Mounted Display for Telerobotics", 1988, 33 IEEE Computer Society International Conference, California, pp. 543-547.				
BK	B. M. Jau, "Anthropomorphic Remoter Manipulator", 1991, NASA Tech Briefs, pg. 92. (4/91)				
BL	K. Matsushima, "Servo Micro Manipulator Tiny Micro Mark-1", 1982, 4th Symposium on Theory and Practice of Robots and Manipulators, pp. 193-201.				
BM	R. Richter, "Telesurgery may Bridge Future Gaps", 1988, Times Tribune, Sunday, January 24, pp. A-1 and A-16.				
BN	E. H. Spain, "Stereo Advantage for a Peg-In-Hole Task Using Force-Feedback Manipulator", 1990, Stereoscopic Displays and Applications, pp. 244-254.				
BO	Tachi et al., "Tele-existence Master Slave System for Remote Manipulation", 1990, Proceedings of the 29th Conference on Decision and Control, Vol. 1 of 6, pp. 85-90.				
BP	"Introduction t a New Project for The National Research Development Program (Large-Scale Project) in FY 1991 - Micromachine Technology", 1991, Agency of Industrial Science and Technology Ministry of International Trade and Industry, Japan, pp. 1-11.				
BQ	"Another Pair of Hands for Surgeon?" 1972, The Blue Cross magazine Perspective, pg. 27.				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1449.WP 4/95

*[Signature]*  
Examiner

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Date Considered

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		Filing Date: September 9, 1996	Group: <del>3302</del> 2615	
Reference Designation		U.S. PATENT DOCUMENTS		Page 1 of 4

Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
<u>AA</u>	1,418,184	05/30/22	Trunick			
<u>AB</u>	2,901,258	08/25/59	Brandafi			
<u>AC</u>	3,145,333	08/18/64	Pardini et al.			
<u>AD</u>	4,113,115	09/12/78	Yoshio			
<u>AE</u>	4,260,319	04/07/81	Motoda et al.			
<u>AF</u>	4,264,266	04/28/81	Trechsel			
<u>AG</u>	4,419,041	12/06/83	Rose			
<u>AH</u>	4,562,463	12/31/85	Lipton			
<u>AI</u>	4,636,138	01/13/87	Gorman			
<u>AJ</u>	4,744,363	05/17/88	Hasson			
<u>AK</u>	4,751,925	06/21/88	Tontarra			
<u>AL</u>	4,762,455	08/09/88	Coughlan et al.			
<u>AM</u>	4,808,898	02/28/89	Pearson			

EXAMINER <u>Beddy</u>	DATE CONSIDERED <u>10/8/97</u>
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Attorney Docket No.  
00287-004830USSerial No.:  
08/709,965LIST OF PATENTS AND PUBLICATIONS FOR  
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STATEMENT

(Use several sheets if necessary)

Applicant:  
PHILIP S. GREENFiling Date:  
September 9, 1996Group:  
~~3202~~ 2615

Reference Designation

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Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
<u>BA</u>	4,873,572	10/10/89	Miyazaki et al.	<del>_____</del>	<del>_____</del>	
<u>BB</u>	4,947,702	08/14/90	Kato	<del>_____</del>	<del>_____</del>	
<u>BC</u>	5,002,418	03/26/91	McCown et al.	<del>_____</del>	<del>_____</del>	
<u>BD</u>	5,020,933	06/04/91	Salvestro et al.	<del>_____</del>	<del>_____</del>	
<u>BE</u>	5,060,532	10/29/91	Barker	<del>_____</del>	<del>_____</del>	
<u>BF</u>	5,062,761	11/05/91	Glachet	<del>_____</del>	<del>_____</del>	
<u>BG</u>	5,078,140	01/07/92	Kwoh	<del>_____</del>	<del>_____</del>	
<u>BH</u>	5,096,236	03/17/92	Thony	<del>_____</del>	<del>_____</del>	
<u>BI</u>	5,141,519	08/25/92	Smith et al.	<del>_____</del>	<del>_____</del>	
<u>BJ</u>	5,142,930	09/01/92	Allen et al.	<del>_____</del>	<del>_____</del>	
<u>BK</u>	5,219,351	06/15/93	Teubner et al.	<del>_____</del>	<del>_____</del>	
<u>BL</u>	5,236,432	08/17/93	Matsen, III et al.	<del>_____</del>	<del>_____</del>	
<u>BM</u>	5,253,706	10/19/93	Reid	<del>_____</del>	<del>_____</del>	
<u>BN</u>	5,257,998	11/02/93	Ota et al.	<del>_____</del>	<del>_____</del>	
<u>BO</u>	5,260,319	11/09/93	Effland et al.	<del>_____</del>	<del>_____</del>	
<u>BP</u>	5,264,266	11/23/93	Yokoyama et al.	<del>_____</del>	<del>_____</del>	
<u>BQ</u>	5,273,039	12/28/93	Fujiwara et al.	<del>_____</del>	<del>_____</del>	
<u>BR</u>	5,279,309	01/18/94	Taylor et al.	<del>_____</del>	<del>_____</del>	
<u>BS</u>	5,281,220	01/25/94	Blake, III	<del>_____</del>	<del>_____</del>	

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Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
<u>CA</u>	5,284,130	02/08/94	Ratliff	<del>_____</del>	<del>_____</del>	
<u>CB</u>	5,325,866	07/05/94	Krzyzanowski	<del>_____</del>	<del>_____</del>	
<u>CC</u>	5,339,799	08/23/94	Kami et al.	<del>_____</del>	<del>_____</del>	
<u>CD</u>	5,397,323	03/14/95	Taylor et al.	<del>_____</del>	<del>_____</del>	
<u>CE</u>	5,425,528	06/20/95	Rains et al.	<del>_____</del>	<del>_____</del>	
<u>CF</u>	5,441,505	08/15/95	Nakamura	<del>_____</del>	<del>_____</del>	
<u>CG</u>	5,474,566	12/12/95	Alesi et al.	<del>_____</del>	<del>_____</del>	
<u>CH</u>	5,480,409	01/02/96	Riza	<del>_____</del>	<del>_____</del>	
<u>CI</u>	5,636,138	06/03/97	Gilbert et al.	<del>_____</del>	<del>_____</del>	

## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub-class	Translation (yes/no)
<u>CS</u>	4 213 426	10/29/92	Germany	<del>_____</del>	<del>_____</del>	Abstract
<u>CK</u>	482 439	01/30/70	Switzerland	<del>_____</del>	<del>_____</del>	No
<u>CL</u>	WO 92/16141	10/01/92	PCT	<del>_____</del>	<del>_____</del>	Yes

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) Page 4 of 4			
<u>M</u> DA	Asada Haruhiko et al., "Development of a Direct-Drive Arm Using High Torque Brushless Motors," Chapter 7, pp. 583-599.		
<u>M</u> DB	Guerrouad Aicha et al., "S.M.O.S.: Stereotaxical Microtelemanipulator for Ocular Surgery," <i>IEEE Engineering in Medicine &amp; Biology Society</i> , 11th Annual International Conference, 1989, Medical Applications of Robotics, Track 16: Biorobotics, pp. 879-880.		
<u>M</u> DC	Kazerooni H., "Design and Analysis of the Statically Balanced Direct-Drive Robot Manipulator," <i>Robotics &amp; Computer-Integrated Manufacturing</i> , 1989, Volume 6, Number 4, pp. 287-293.		
<u>M</u> DD	Ng. W. S. et al., "Robotic Surgery," <i>IEEE Engineering in Medicine and Biology</i> , March 1993, pp. 120-125.		
<u>M</u> DE	Taubes Gary, "Surgery in Cyberspace," <i>Discover</i> , December 1994, pp. 85-92.		
<u>M</u> DF	Taylor Russell H. et al., "A Telerobotic Assistant for Laparoscopic Surgery," <i>Engineering in Medicine and Biology</i> , May-June 1995, pp. 279-288.		
<u>M</u> DG	Trevelyan James P. et al., "Motion Control for a Sheep Shearing Robot," <i>IEEE Robotics Research Conference</i> , the 1st International Symposium, Carroll, NH, USA, Conference Date: August 25, 1983, Conference No. 05357, Publication by MIT Press, pp. 175-190.		
EXAMINER <u>Shad Re</u>		DATE CONSIDERED <u>10/8/97</u>	

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